

Product Evaluation

GDR94 | 0922

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: GDR-94

Effective Date: September 1, 2022

Re-evaluation Date: September 2026

Product Name: Commercial Roll-Up Garage Fire Door Slats, Impact Resistant

Manufacturer: Overhead Door Corporation
2501 S. State Hwy 121 Bus.
Suite 200
Lewisville, TX 75067
(800) 972-1730

General Description:

General: The rolling steel fire door curtains are constructed from G-40 galvanized steel (that may be powder coated) or stainless steel. The slat options available are flat F-265 (Series 630/631/634) and insulated FIP (Series 635). The Series 635 door may be constructed of 18-, 20-, or 22-gauge steel front skin and 24-gauge steel back skin covering the cfc-free polyurethane insulation. The guides are primed steel with specifications detailed on the drawings. Slat dimensions, drawing number, and allowable design pressure rating are shown in Table 1.

Limitations:

Design Drawings: The rolling doors must be installed in accordance with the drawings referenced in Table 1. Each page of the drawing is sealed by John E Scates, P.E. The first page is digitally signed and dated. The drawing number, revision date, and seal date are specified in Table 1. The stated drawings will be referred to as approved drawings in this evaluation report. A copy of the approved drawings must be available at the job site.

Table 1 - Impact Rated Assemblies

Slat Model	Door Width (max.)	Door Height (Max.)	Drawing Number	Design Pressure	Jamb Detail
F265	14'-0"	24'-0"	D-308231 Rev. F dated 5-31-22 Sealed 6-07-22	±65 psf	See Drawing
FIP	14'-0"	24'-0"	D-308232 Rev. G dated 5-31-22 Sealed 6-07-22	±65 psf	See Drawing

Maximum Opening Width: 14'-0"

Maximum Opening Height: 24'-0"

Glazing: Not permitted.

Allowable Design Pressure Rating: The rolling doors have a maximum allowable design pressure rating of +/-65 psf.

Product Identification:

Drawing D-308231: The rolling door assemblies have a label that identifies the manufacturer (Overhead Door); the model numbers (630/631/634); the drawing number (308231); the allowable pressure rating; and the test standards (TAS 201, TAS-202, TAS-203)

Drawing D-308232: The rolling door assemblies have a label that identifies the manufacturer (Overhead Door); the model numbers (635); the drawing number (308232); the allowable pressure rating; and the test standards (TAS 201, TAS-202, TAS-203)

Compliance: The rolling door assemblies passed test criteria equivalent to ASTM E330-14, ASTM E1886-13a, and ASTM E1996-14a.

Impact Resistance: The door assemblies have been tested for windborne debris resistance. They have passed the equivalent of Missile Level D specified in ASTM E1996-14a. Install the assembly at any height on the structure that does not exceed the assembly's design pressure rating. For essential facilities, the assembly may not be installed in Wind Zone 3 and may be installed in Wind Zone 2.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

Installation:

General: These doors must be installed in accordance with the manufacturer's published installation instructions, the approved drawings, and this product evaluation report. A copy of the

approved drawings and the manufacturer's installation instructions must be available at all times at the job site during installation. The information within this evaluation report governs if there are any conflicts between the manufacturer's instructions and this evaluation report. Refer to Table 1 for maximum allowable door dimensions, allowable design pressures, and applicable drawings.

Anchorage: The rolling doors must be anchored to the structure in accordance with the approved drawings. Anchorage of rolling doors to concrete or steel must follow the mounting details on the approved drawings and the fasteners specified in the mounting details. Minimum edge distances must be as specified on the design drawings.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.